

ABSTRACT

A riser card assembly for coupling two or more peripheral cards to a motherboard. The riser card assembly routes all necessary signal lines to each of the peripheral cards disposed thereon and, therefore, a customized motherboard is not required to achieve a small form factor. The riser card assembly includes a mounting portion and at least one routing portion. The mounting portion is secured in a card connector on the motherboard and includes a plurality of secondary card connectors, each secondary card connector for receiving a peripheral card. The mounting portion couples the signal lines at the card connector in which it is inserted to one of its secondary card connectors. The routing portion couples the signal lines from at least one adjacent card connector on the motherboard to the mounting portion, the mounting portion routing those signal lines to another one of its secondary card connectors.